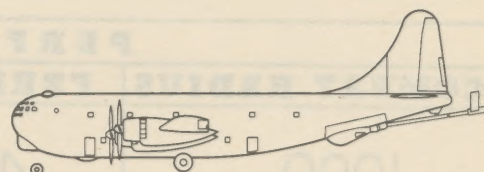
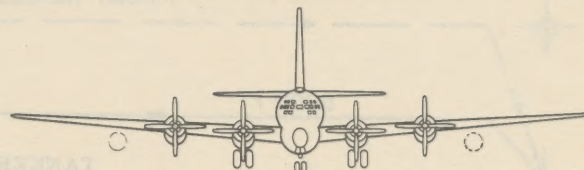
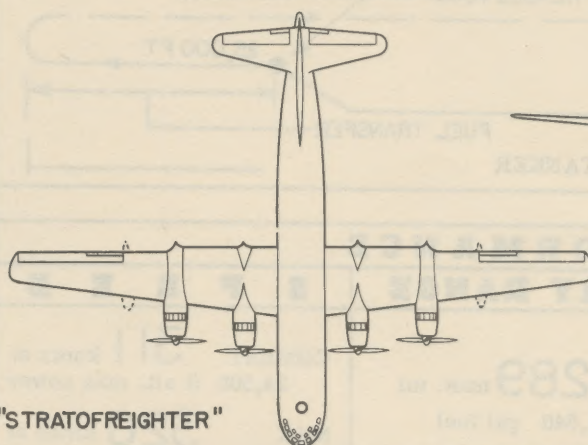


Characteristics Summary

TANKER KC-97G



"STRATOFREIGHTER"

BOEING

Wing Area 1768.7 sq ft

Length 117.4 ft

Height 38.3 ft

Span 141.2 ft

Height (Fin folded) 26.6 ft

AVAILABILITY

Number available

PROCUREMENT

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

1. Similar to the KC-97F except for installation of external wing drop tanks and small diameter AFR tanks on the upper and lower decks, deletion of radio operator's station, changes in electronic equipment and other minor changes.

2. Contract Approved: Aug 52

3. Mock-up: Mar 52

4. First Flight: May 53

5. First Acceptance: May 53

Navy Equivalent: None

Mfr's Model: 367-76-66

POWER PLANT

(4) R-4360-59B

Pratt & Whitney

ENGINE RATINGS

BHP - RPM - ALT-MIN

T.O: *3500-2700- 500 -5

Mil: *3500-2700- 500 -30

3250-2700- 1000 -30

Nor: 2650-2550- 5500 -Cont

*Wet

Note: Increased altitude performance is available through use of external turbo-supercharging

FEATURES

May be used as a limited cargo and/or troop transport without removing the AFR equipment.

May be converted to a cargo transport by removing the AFR equipment and installing conversion kit.

Small Dia AFR Tanks (15)
External Wing Drop Tanks
Rendezvous Radar
Single-Point Refueling
Fuselage Pressurization

GENERAL

Crew (normal) 5
Trans. Fuel (gal) ... 8513
or

Troops 63
Litters None
or

Cargo (max) ... *57,500 lb

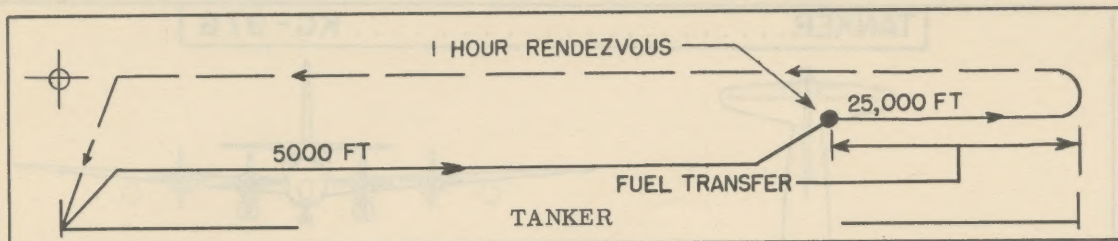
Main Compartment:

Volume 3331 cu ft

Floor Area ... 416 sq ft

*Limited by strength

Max Fuel Cap: ... 15,093 gal
(Incl. AFR fuel)

Characteristics Summary Basic Mission . . . KC-97G**P E R F O R M A N C E**

C O M B A T R A D I U S	F E R R Y R A N G E	S P E E D
1000 naut. mi with 40,700 lb payload at 222 knots avg. in 9.4 hours.	4289 naut. mi with 11,640 gal fuel at 211 knots avg. in 20.7 hours at 175,000 lb T.O. wt.	COMBAT 311 knots at 24,500 ft alt, max power MAX 326 knots at 26,000 ft alt, max power BASIC 278 knots at 5000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
540 fpm sea level, take-off weight normal power	21,500 ft 100 fpm, take-off weight normal power	ground run 6500 ft no assist — ft assisted
2340 fpm sea level, combat weight maximum power	30,000+ ft 500 fpm, combat weight maximum power	over 50 ft height 8150 ft no assist — ft assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D
Transfer Fuel: . . . 40,700 lb Fuel: 7013 gal protected 0 % droppable (Note 2) % external (Note 2) %	Empty..... 84,835 lb Combat... 105,780 lb Take - off 175,000 lb limited by strength	108 knots power-off, landing config- uration, take-off weight T I M E T O C L I M B _____

N O T E S

- Performance Basis:
 - Flight Test
 - Max power same as normal power above 7800 ft
- 1382 gal of transfer fuel may be carried in external droppable tanks.
- Revision Basis: To revise security classification and guaranteed engine ratings.